

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 8/19/06 Serial # 10/60,547 Priority Application Date 12/27/02

Your Name M. Lewis Examiner # 73172

AU 2822 Phone 212-1838 Room 5A30

In what format would you like your results? Paper is the default. ☒ PAPER ☐ DISK ☐ EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other:

Need before 8/26

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs _____ Nonpatent Literature _____ Teaching Refs _____
Secondary Refs _____ Foreign Patents _____ Other _____

Is this a "Fast & Focused Search" request? (Circle One) YES NO

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-patrr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 5-24-38

Calibrated

Problem: See pages 1-4

Solution: " " 5-7

*US 5,665,981 2004/0202542
6,492,661*

Staff Use Only

Searcher: M. Mims

Searcher Phone: 25928

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 8/22/06

Date Completed: 8/23/06

Searcher Prep/Rev Time: 3:00

Online Time: 109

Type of Search

Structure (#) _____

Bibliographic ☒

Litigation _____

Fulltext _____

Patent Family _____

Other _____

Vendors

STN _____

Dialog _____

Questel/Orbit _____

Lexis-Nexis _____

WWW/Internet _____

Other _____

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(FILE 'HOME' ENTERED AT 09:53:45 ON 23 AUG 2006)

FILE 'REGISTRY' ENTERED AT 09:53:59 ON 23 AUG 2006

| | | | | |
|----|-------|------------|--------|-----------|
| L1 | 204 | SEA ABB=ON | PLU=ON | AU.SN/MF |
| L2 | 14 | SEA ABB=ON | PLU=ON | AU SN/ELF |
| L3 | 49504 | SEA ABB=ON | PLU=ON | IN/ELS |
| L4 | 376 | SEA ABB=ON | PLU=ON | AG.AU/MF |
| L5 | 83 | SEA ABB=ON | PLU=ON | AG AU/ELF |
| L6 | 633 | SEA ABB=ON | PLU=ON | PB.SN/MF |
| L7 | 17 | SEA ABB=ON | PLU=ON | PB SN/ELF |
| L8 | 49 | SEA ABB=ON | PLU=ON | GA.N/MF |
| L9 | 120 | SEA ABB=ON | PLU=ON | GA N/ELF |

FILE 'CAPLUS' ENTERED AT 09:56:39 ON 23 AUG 2006

| | | | | |
|-----|---------|------------|--------|---|
| L10 | 226946 | SEA ABB=ON | PLU=ON | (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7) |
| L11 | 28713 | SEA ABB=ON | PLU=ON | (L8 OR L9) |
| L12 | 699180 | SEA ABB=ON | PLU=ON | LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO? OR EL OR PL OR PLED OR FLED OR OLED |
| L13 | 54094 | SEA ABB=ON | PLU=ON | N(4W) (LAYER OR AREA OR REGION OR LAMINA? OR IMPUR?) |
| L14 | 36821 | SEA ABB=ON | PLU=ON | P(4W) (LAYER OR AREA OR REGION OR LAMINA? OR IMPUR?) |
| L15 | 2907325 | SEA ABB=ON | PLU=ON | ADHESIVE? OR ADHER? OR BIND? OR BOND? OR RESIN? OR EXPOX? |
| L16 | 35022 | SEA ABB=ON | PLU=ON | ACTIVE(4W) (AREA OR REGION OR SECTION OR PART OR DOMAIN OR FIELD) |
| L17 | 3687 | SEA ABB=ON | PLU=ON | L10(L) L15 |
| L18 | 1 | SEA ABB=ON | PLU=ON | L11 AND L12 AND L13 AND L14 AND L16 AND L17 D IBIB ABS HITSTR HITIND |
| L19 | 10 | SEA ABB=ON | PLU=ON | L11 AND L12 AND L13 AND L14 AND L17 |
| L20 | 9 | SEA ABB=ON | PLU=ON | L19 NOT L18 D IBIB ABS HITSTR HITIND 1-9 |

FILE 'INSPEC, COMPENDEX' ENTERED AT 10:10:10 ON 23 AUG 2006

FILE 'INSPEC' ENTERED AT 10:11:19 ON 23 AUG 2006

| | | | | |
|-----|--------|------------|--------|---|
| L21 | 356 | SEA ABB=ON | PLU=ON | (AU BIN(S) SN BIN)/CHI |
| L22 | 372 | SEA ABB=ON | PLU=ON | (AG BIN(S) AU BIN)/CHI |
| L23 | 2323 | SEA ABB=ON | PLU=ON | (PB BIN(S) SN BIN)/CHI |
| L24 | 86850 | SEA ABB=ON | PLU=ON | IN/CHI |
| L25 | 18750 | SEA ABB=ON | PLU=ON | (GA BIN(S) N BIN)/CHI |
| L26 | 89698 | SEA ABB=ON | PLU=ON | (L21 OR L22 OR L23 OR L24) |
| L27 | 3327 | SEA ABB=ON | PLU=ON | L25 AND L26 |
| L28 | 294089 | SEA ABB=ON | PLU=ON | LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO? OR EL OR PL OR PLED OR FLED OR OLED |
| L29 | 16530 | SEA ABB=ON | PLU=ON | N(4W) (LAYER OR AREA OR REGION OR LAMINA? OR IMPUR?) |
| L30 | 12557 | SEA ABB=ON | PLU=ON | P(4W) (LAYER OR AREA OR REGION OR LAMINA? OR IMPUR?) |
| L31 | 304038 | SEA ABB=ON | PLU=ON | ADHESIVE? OR ADHER? OR BIND? OR BOND? OR RESIN? OR EXPOX? |
| L32 | 24403 | SEA ABB=ON | PLU=ON | ACTIVE(4W) (AREA OR REGION OR SECTION OR PART OR DOMAIN OR FIELD) |

EIC 2800 MARY S. MIMS 272-5928

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L33 0 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30 AND
L31 AND L32
L34 1 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30 AND
L31
D IALL
L35 15 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30
L36 14 SEA ABB=ON PLU=ON L35 NOT L34
D IALL 1-15

FILE 'INSPEC' ENTERED AT 10:25:40 ON 23 AUG 2006

FILE 'WPIX' ENTERED AT 10:26:43 ON 23 AUG 2006

L37 601885 SEA ABB=ON PLU=ON GOLD OR TIN OR AU OR SN OR IN OR INDIUM OR
SILVER OR AG OR PB OR LEAD
L38 112750 SEA ABB=ON PLU=ON L37 (L) L15
L39 268869 SEA ABB=ON PLU=ON LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO?
OR EL OR PL OR PLED OR FLED OR OLED
L40 33091 SEA ABB=ON PLU=ON N(4W) (LAYER OR AREA OR REGION OR LAMINA?
OR IMPUR?)
L41 28962 SEA ABB=ON PLU=ON P(4W) (LAYER OR AREA OR REGION OR LAMINA?
OR IMPUR?)
L42 1665836 SEA ABB=ON PLU=ON ADHESIVE? OR ADHER? OR BIND? OR BOND? OR
RESIN? OR EXPOX?
L43 26168 SEA ABB=ON PLU=ON ACTIVE(4W) (AREA OR REGION OR SECTION OR
PART OR DOMAIN OR FIELD)
L44 6230 SEA ABB=ON PLU=ON GAN OR GALLIUM NITRIDE OR GA NITRIDE
L45 8 SEA ABB=ON PLU=ON L38 AND L39 AND L40 AND L41 AND L42 AND
L43 AND L44
D IFULL 1-8

FILE 'DPCI' ENTERED AT 10:43:27 ON 23 AUG 2006

L46 2 SEA ABB=ON PLU=ON (US5665986 OR US6492661)/PN
L47 1 SEA ABB=ON PLU=ON US5665986/PN
SEL PN.D PN.G

FILE 'WPIX' ENTERED AT 10:49:32 ON 23 AUG 2006

L48 22 SEA ABB=ON PLU=ON (US6984840/PN OR US5218216/PN OR US5278433/
PN OR US5281830/PN OR US5369289/PN OR US5523589/PN OR US5578839
/PN OR US6030848/PN OR DE19725900/PN OR NOCITATIONS/PN OR
US5400740/PN OR US5834325/PN OR US5851905/PN OR US5863811/PN
OR US5909040/PN OR US5962875/PN OR US6031252/PN OR US6091083/PN
OR US6096130/PN OR US6177292/PN OR US6194742/PN OR US6274399/P
N OR US6559467/PN)

FILE 'DPCI' ENTERED AT 10:50:30 ON 23 AUG 2006

L49 1 SEA ABB=ON PLU=ON US6492661/PN

FILE 'WPIX' ENTERED AT 10:51:36 ON 23 AUG 2006

L50 0 SEA ABB=ON PLU=ON L48 AND L38 AND L44
D L48 TI 1-10
D L48 IALL 1-22
L51 87311 SEA ABB=ON PLU=ON SAPPHIRE OR AL2O3 OR (AL OR ALUMINIUM OR
ALUMINUM) (W) (OXIDE)
L52 1321880 SEA ABB=ON PLU=ON REMOV? OR (POLISH? OR TAKE? OR CUT?) (2W) (AW
AY OR OFF) OR WITHDRAW?
L53 7931 SEA ABB=ON PLU=ON L51 (L) L52
L54 0 SEA ABB=ON PLU=ON 39 AND L40 AND L41 AND L44 AND L53

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L55 86 SEA ABB=ON PLU=ON L39 AND L44 AND L53
L56 16 SEA ABB=ON PLU=ON L38 AND L55
L57 14 SEA ABB=ON PLU=ON L56 NOT L45
L58 14 SEA ABB=ON PLU=ON L57 NOT L48
D IALL 1-14

FILE 'CAPLUS' ENTERED AT 11:28:41 ON 23 AUG 2006

L59 605 SEA ABB=ON PLU=ON L10 AND L11 AND L12 AND L13 AND L14
L60 29910 SEA ABB=ON PLU=ON L51(L) L52
L61 7 SEA ABB=ON PLU=ON L59 AND L60
L62 6 SEA ABB=ON PLU=ON L61 NOT L19
D IBIB ABS HITSTR HITIND 1-6

FILE 'JAPIO, KOREAPAT' ENTERED AT 11:31:58 ON 23 AUG 2006

L63 231553 SEA ABB=ON PLU=ON L12
L64 55512 SEA ABB=ON PLU=ON L13
L65 45399 SEA ABB=ON PLU=ON L14
L66 1048749 SEA ABB=ON PLU=ON L15
L67 14428 SEA ABB=ON PLU=ON L16
L68 6903568 SEA ABB=ON PLU=ON L37
L69 3775 SEA ABB=ON PLU=ON L44
L70 494 SEA ABB=ON PLU=ON L63 AND L64 AND L65 AND L68 AND L69
L71 1445 SEA ABB=ON PLU=ON L53
L72 23 SEA ABB=ON PLU=ON L70 AND L71
L73 23 DUP REM L72 (0 DUPLICATES REMOVED)
D IALL 1-23

FILE 'INSPEC' ENTERED AT 11:38:56 ON 23 AUG 2006

L74 11 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L53
L75 11 SEA ABB=ON PLU=ON L74 NOT L35
D IALL 1-11